



Interleukin-8 receptor A: SeqID: ENSP00000295683

Sequence and pentamer URS distribution

- MSNITDPQMWDFDDLNFTGMPPADEDYSPCMLETETLNKYVVIIIAYALVLLSLLGNSLVMLVILYSR
VGRSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVSVLLKEVNFYSGILLACISVDRY
LAIVHATRTLTQKRHLVKFVCLGCWGLSMNLSLPFFLFRQAYHPNSSPVCYEVLGNDTAKWRMVLRI
LPHTFEIVPLFVMLFCYGETLRTLFKAHMGQKHRAMRVIFAVVLIFLCWLPYNLVLLADTLLMRTQV
IQESCERRNNIGRALDATEILGFELHSCLNPIIYAFIGQFRHGFLKILAMHGLVSKEFLARHRVTSYT
SSSVNVSSNL (SEQ ID NO. 546)
- ENSP00000295683: list of pentamer URS peptides: (total number: 35) AHMGQ (SEQ ID NO. 547) AKWRM (SEQ ID NO. 548) AYHPN (SEQ ID NO. 549) CERRN (SEQ ID NO. 550) CLGCW (SEQ ID NO. 551) CYGFT (SEQ ID NO. 552) DLNFT (SEQ ID NO. 553) DPQMW (SEQ ID NO. 554) DTAKW (SEQ ID NO. 555) FCYGF (SEQ ID NO. 556) FKAHM (SEQ ID NO. 557) GQNFR (SEQ ID NO. 558) HTFGF (SEQ ID NO. 559) IWAAS (SEQ ID NO. 560) KWRMV (SEQ ID NO. 561) KYVVI (SEQ ID NO. 562) MGQKH (SEQ ID NO. 563) MPPAD (SEQ ID NO. 564) NFTGM (SEQ ID NO. 565) NGWIF (SEQ ID NO. 566) PQMWD (SEQ ID NO. 567) PYNLV (SEQ ID NO. 568) QKHRA (SEQ ID NO. 569) QMWDF (SEQ ID NO. 570) QNFRH (SEQ ID NO. 571) TAKWR (SEQ ID NO. 572) TDPQM (SEQ ID NO. 573) VCLGC (SEQ ID NO. 574) VCYEV (SEQ ID NO. 575) VMLFC (SEQ ID NO. 576) VNGWI (SEQ ID NO. 577) WDFDD (SEQ ID NO. 578) WIFGT (SEQ ID NO. 579) WRMVL (SEQ ID NO. 580) YSPCM (SEQ ID NO. 581)
- _____: URS Penta-peptide

Figure 1

Histamine H1 receptor: SeqID: ENSP00000273023

Sequence and pentamer URS distribution

• MSLPNSSCLLEDK!MCEGNK!TTMASPQLMPLVVVLSTICLVTVGNLLVLYAVR!SER!K!LHTVGN
LYIVSLSVADLIVGAVVMPMPNIIYLLMSK!WSLGR!PLCLFWLSMDYVASTASIFSFILCIDR!YR!
SVQQPLR!YLK!YR!TK!TR!ASATILGAWFLSFLWVIPILGWNHEMQQTSVR!R!EDK!CETDFYDV
TWFK!VMTAIINFYLPPTLLMLWEYAK!IYK!AVR!QHCQHR!ELINR!SLPSFSEIK!LR!PENPK!G
DAK!K!PGK!ESPWEVLK!R!K!PK!DAGGGSVLK!SPSQTPK!EMK!SPVVSQEDDR!EVDK!LYC
FPLDIVHMQAAAEGSSR!DYVAVNR!SHGQLK!TDEQGLNTHGASEISEDQMLGDSQSFSR!TDSDTT
TETAPGK!GK!LR!SGSNTGLDYIK!FTWK!R!LR!SHSR!QYVSGLHMNR!ER!K!AAK!QLGFIMA
AFILCWIPYFIFFMVIAFCK!NCCNEHLHMFTIWLGYINSTLNPLIYPLCNENFK!K!TFK!R!ILHI
R!S (SEQ ID NO. 582)

• URS Penta-peptide: AIINF (SEQ ID NO. 583) CEGNK (SEQ ID NO. 584) CNENF (SEQ ID NO. 585) CWIPY (SEQ ID NO. 586) DFYDV (SEQ ID NO. 587)
DQMLG (SEQ ID NO. 588) FILCI (SEQ ID NO. 589) FLWVI (SEQ ID NO. 590) FMQQT (SEQ ID NO. 591) FWLSM (SEQ ID NO. 592) GWNHF (SEQ ID NO.
593) HLHMF (SEQ ID NO. 594) HMFTI (SEQ ID NO. 595) HTVGN (SEQ ID NO. 596) IFFMV (SEQ ID NO. 597) ILCWI (SEQ ID NO. 598) LLMSK (SEQ ID
NO. 599) LWFYA (SEQ ID NO. 600) MCEGN (SEQ ID NO. 601) MDYVA (SEQ ID NO. 602) MFTIW (SEQ ID NO. 603) MLWFY (SEQ ID NO. 604) NCCNE
(SEQ ID NO. 605) NHFMQ (SEQ ID NO. 606) PLCLF (SEQ ID NO. 607) SPWEV (SEQ ID NO. 608) VIAFC (SEQ ID NO. 609) WFYAK (SEQ ID NO. 610)
WNHFM (SEQ ID NO. 611) WVIPI (SEQ ID NO. 612) YCFPL (SEQ ID NO. 613)

• !: trypsin cutting site, ____: URS Penta-peptide

Figure 2

Figure 3

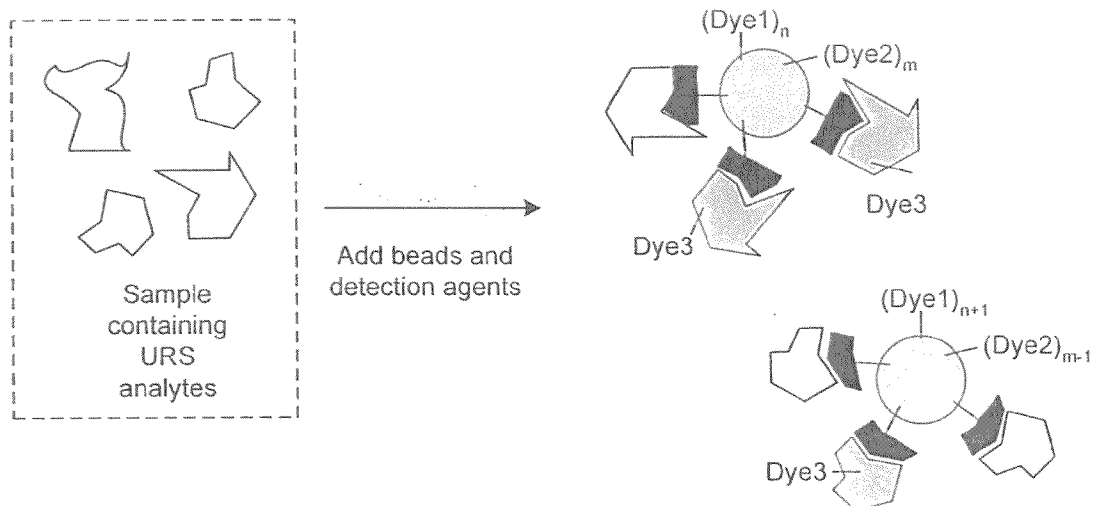


Figure 4

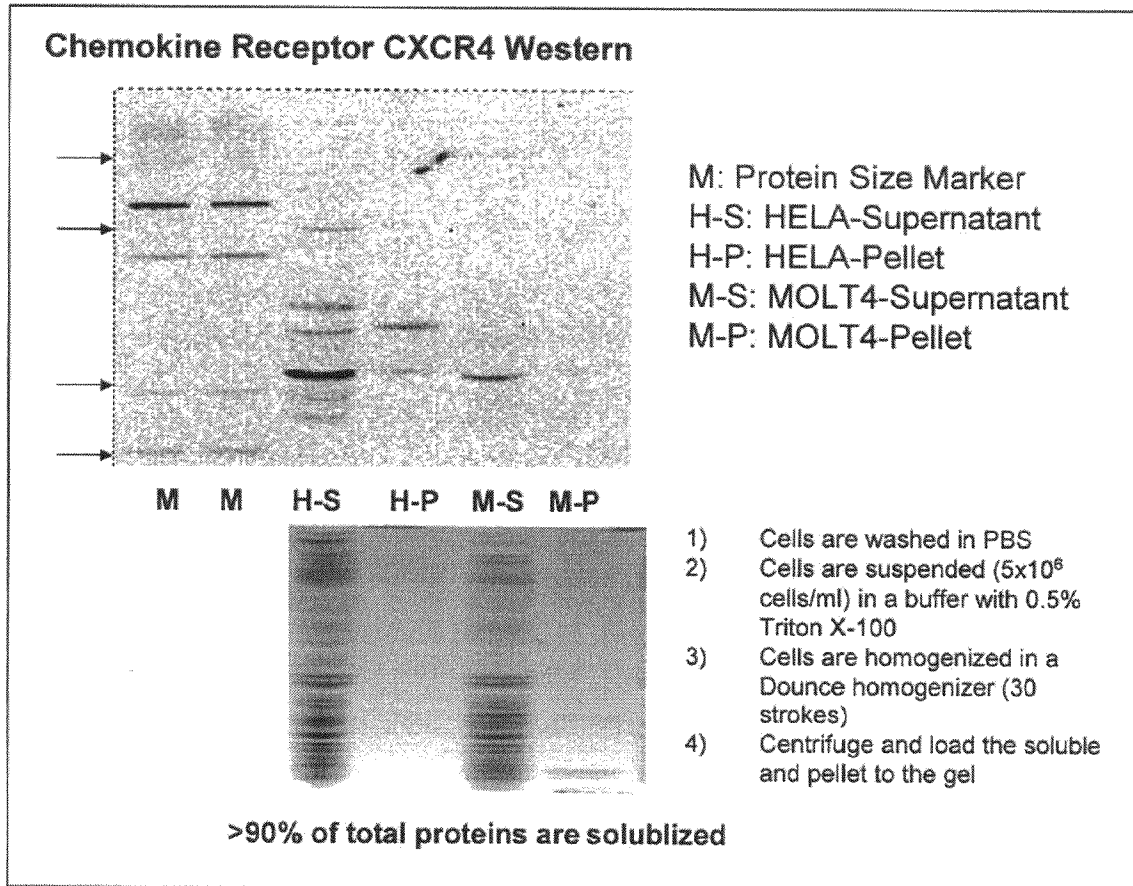


Figure 5

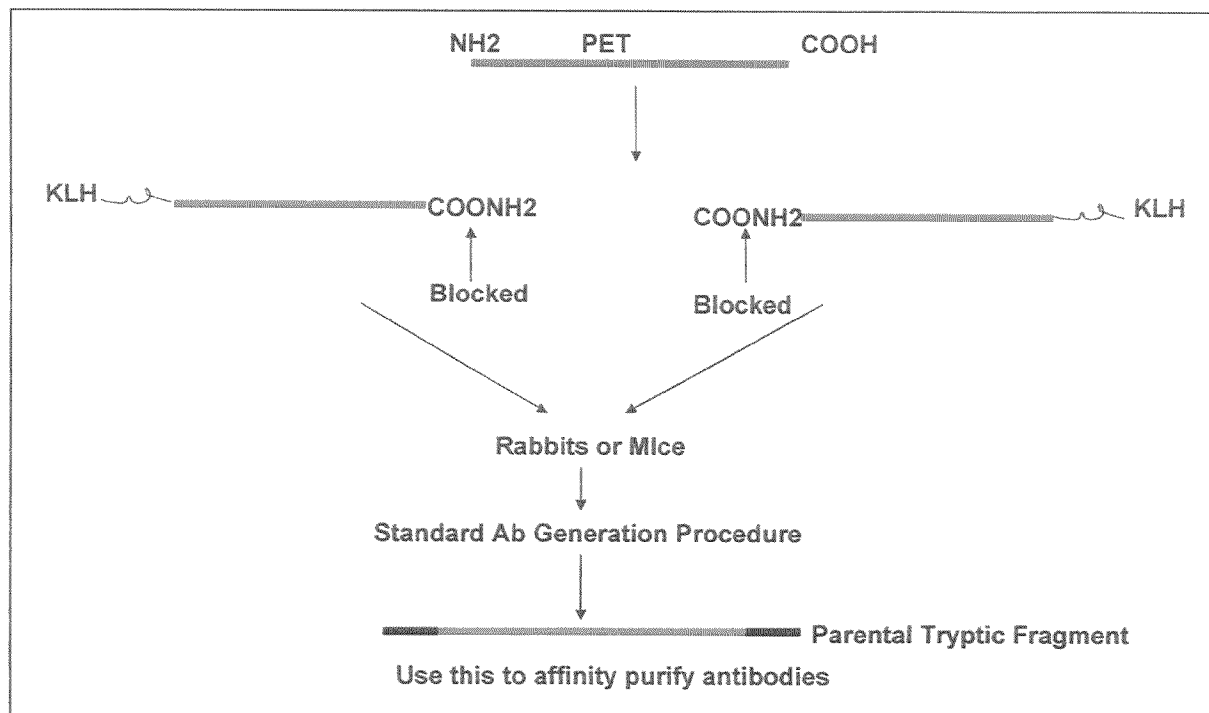


Figure 6

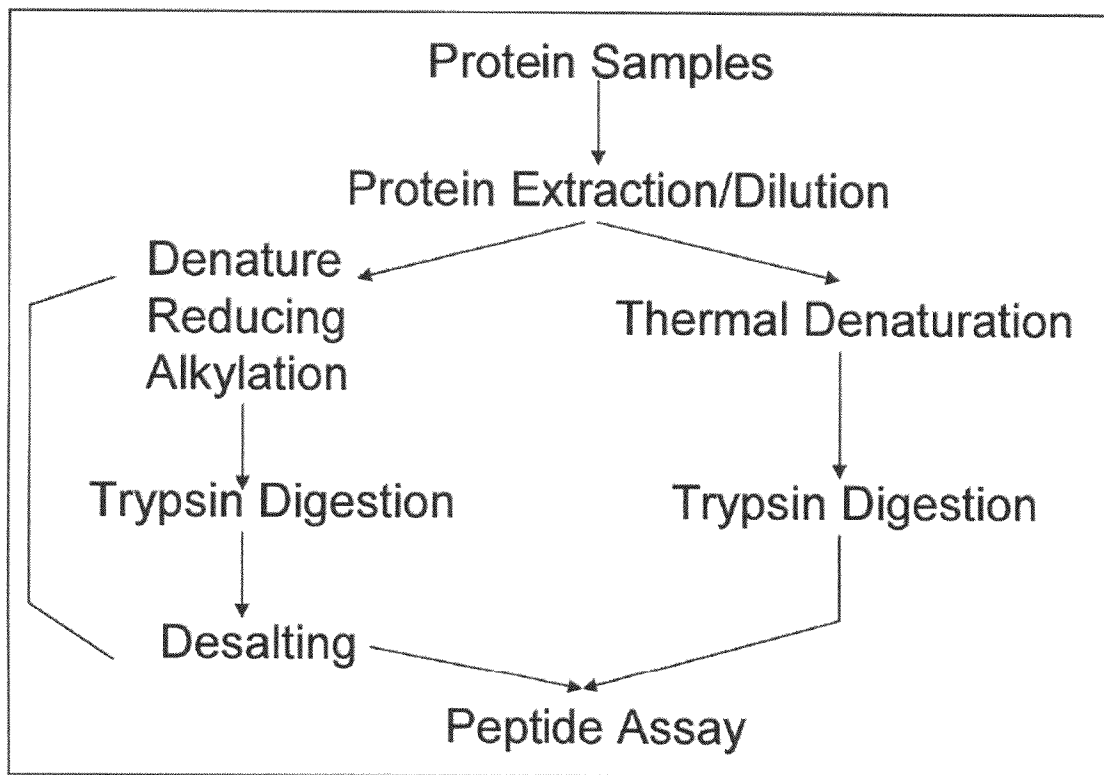


Figure 7

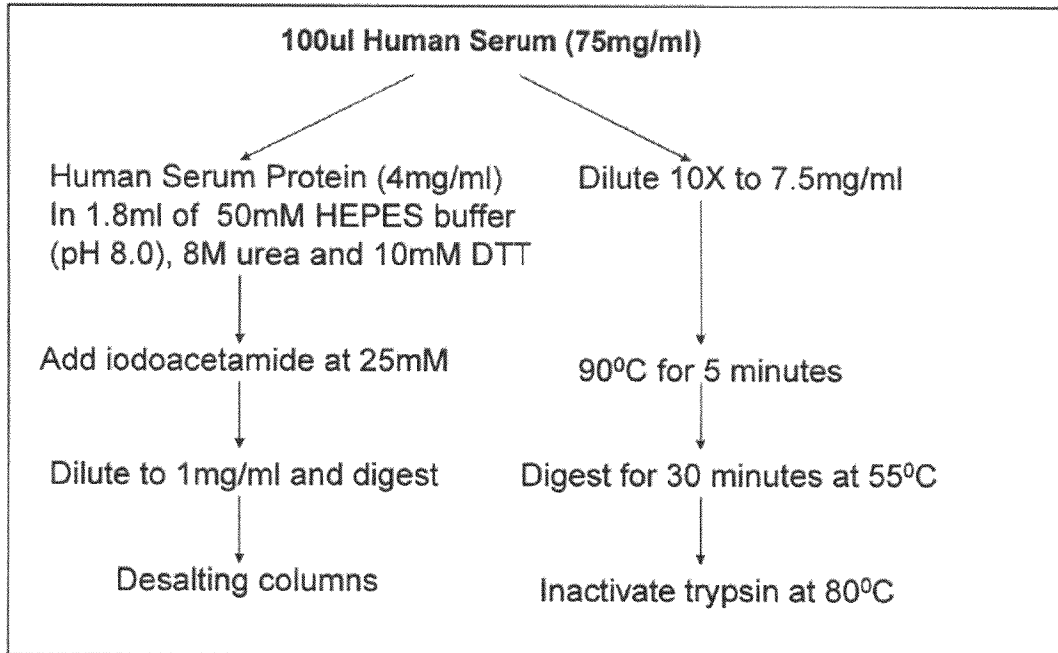


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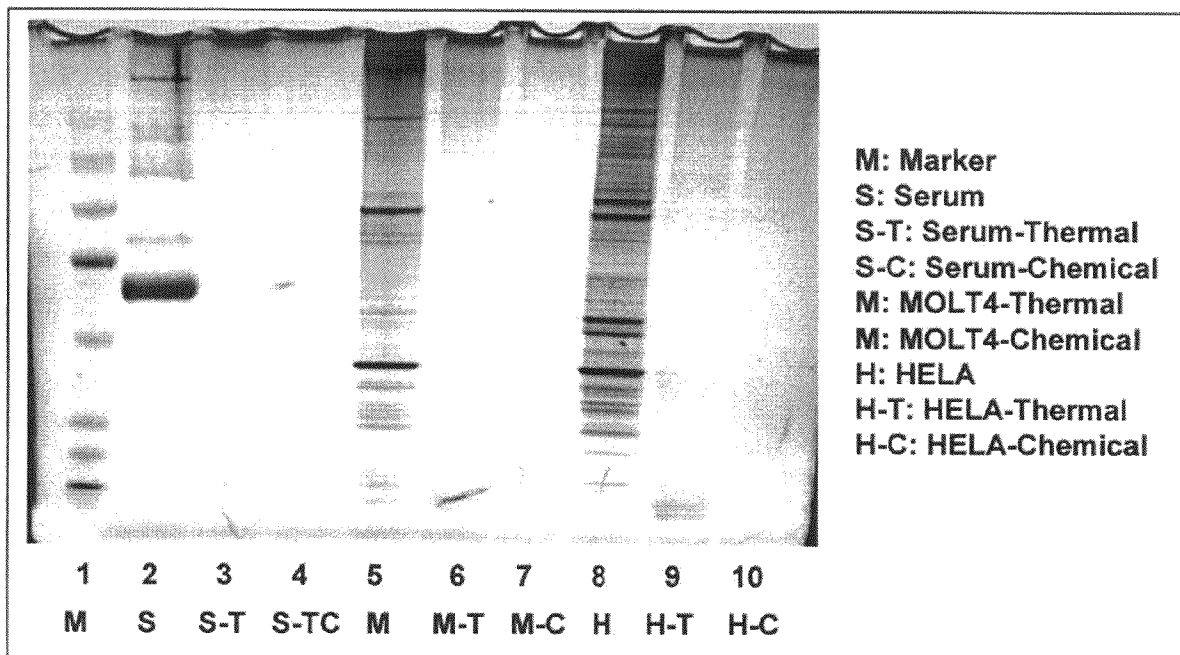


Figure 9

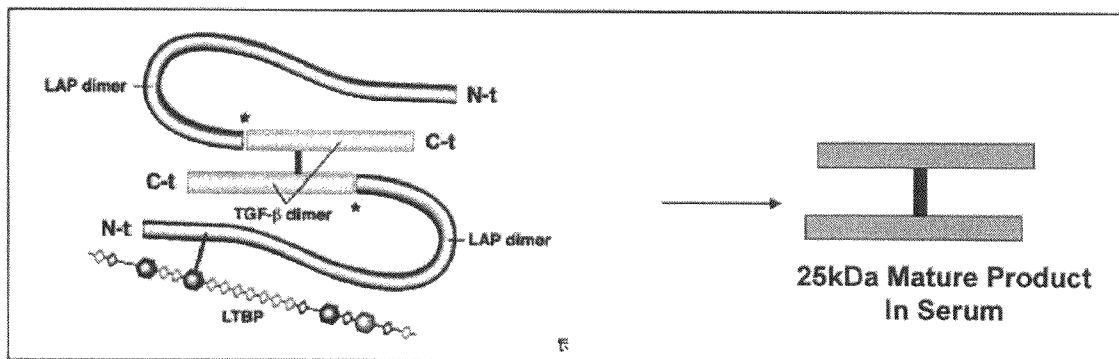


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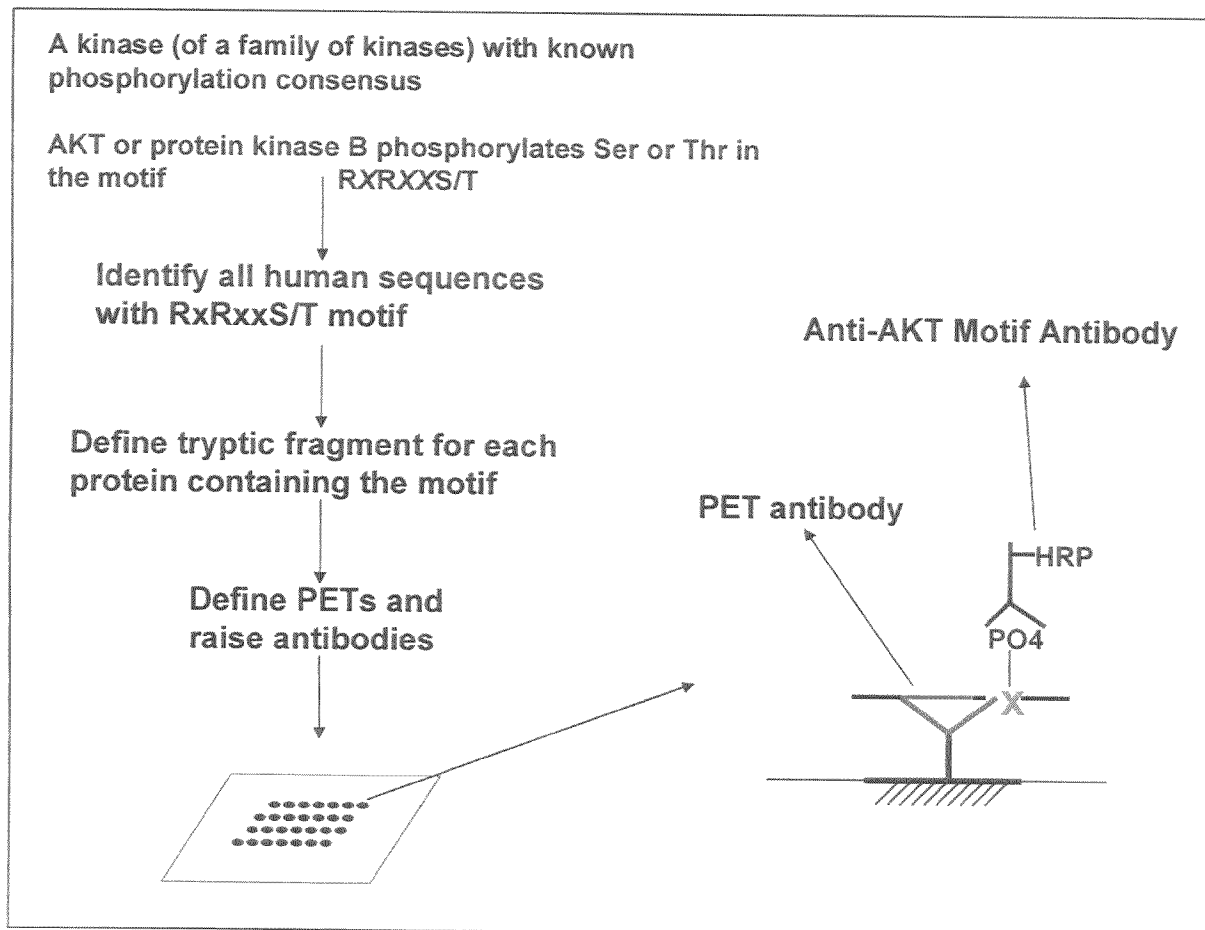


Figure 11

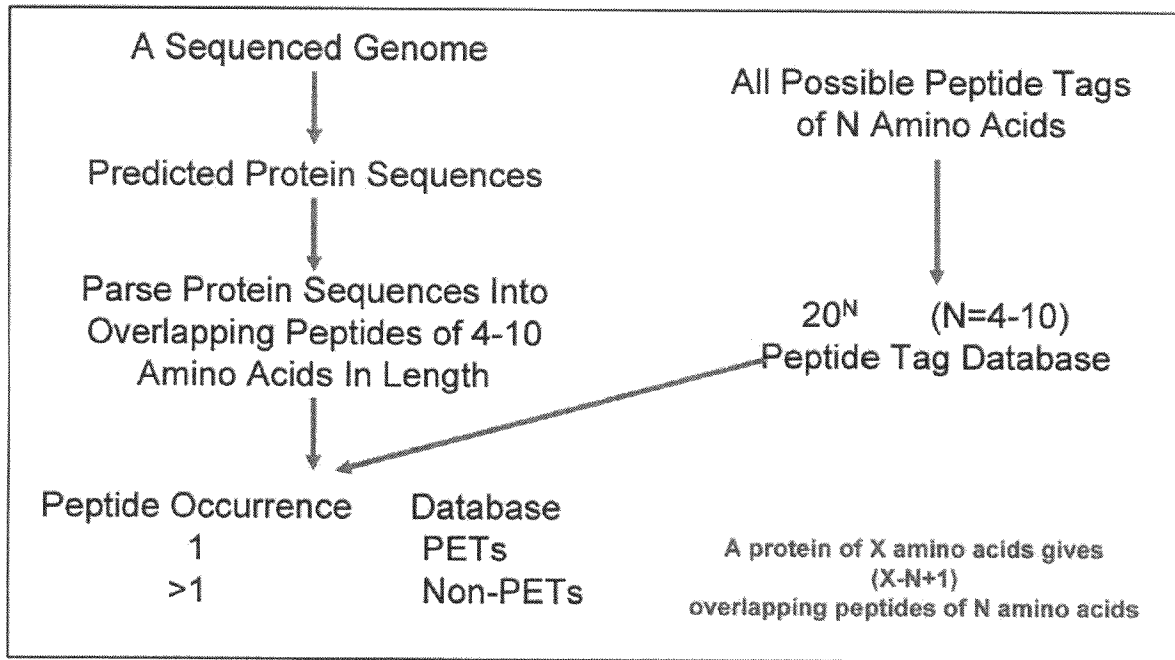


Figure 12

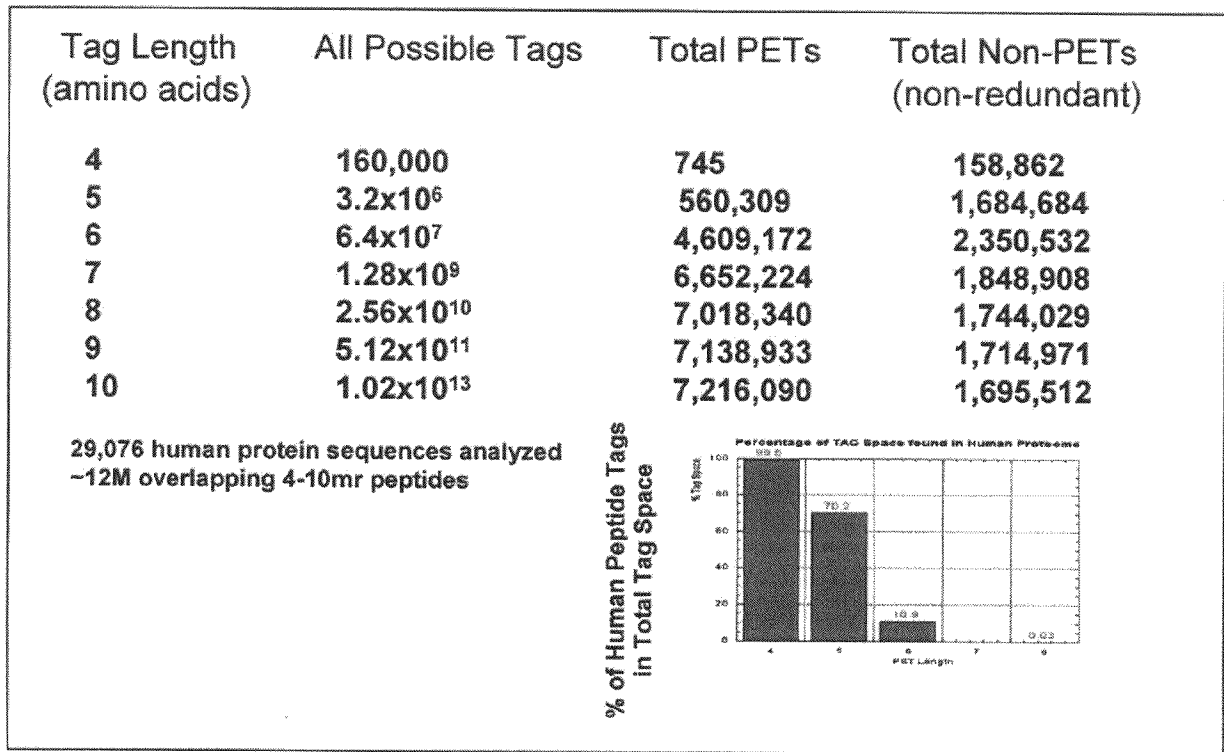


Figure 13

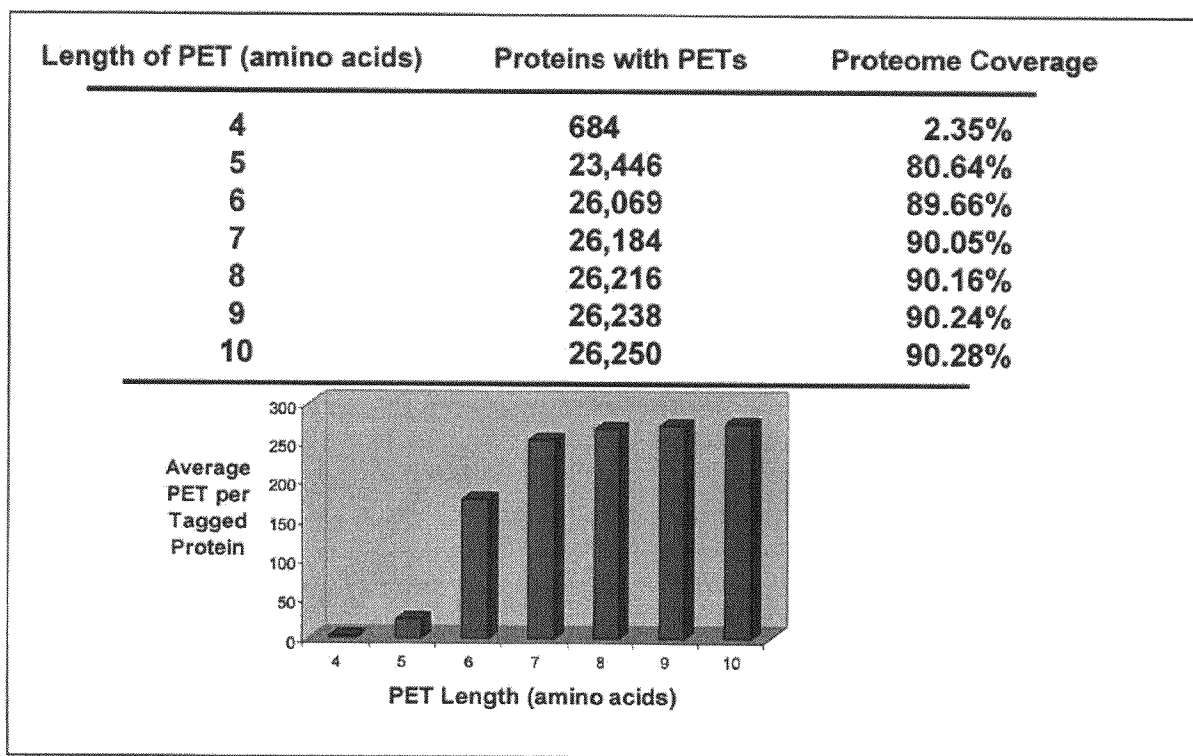


Figure 14

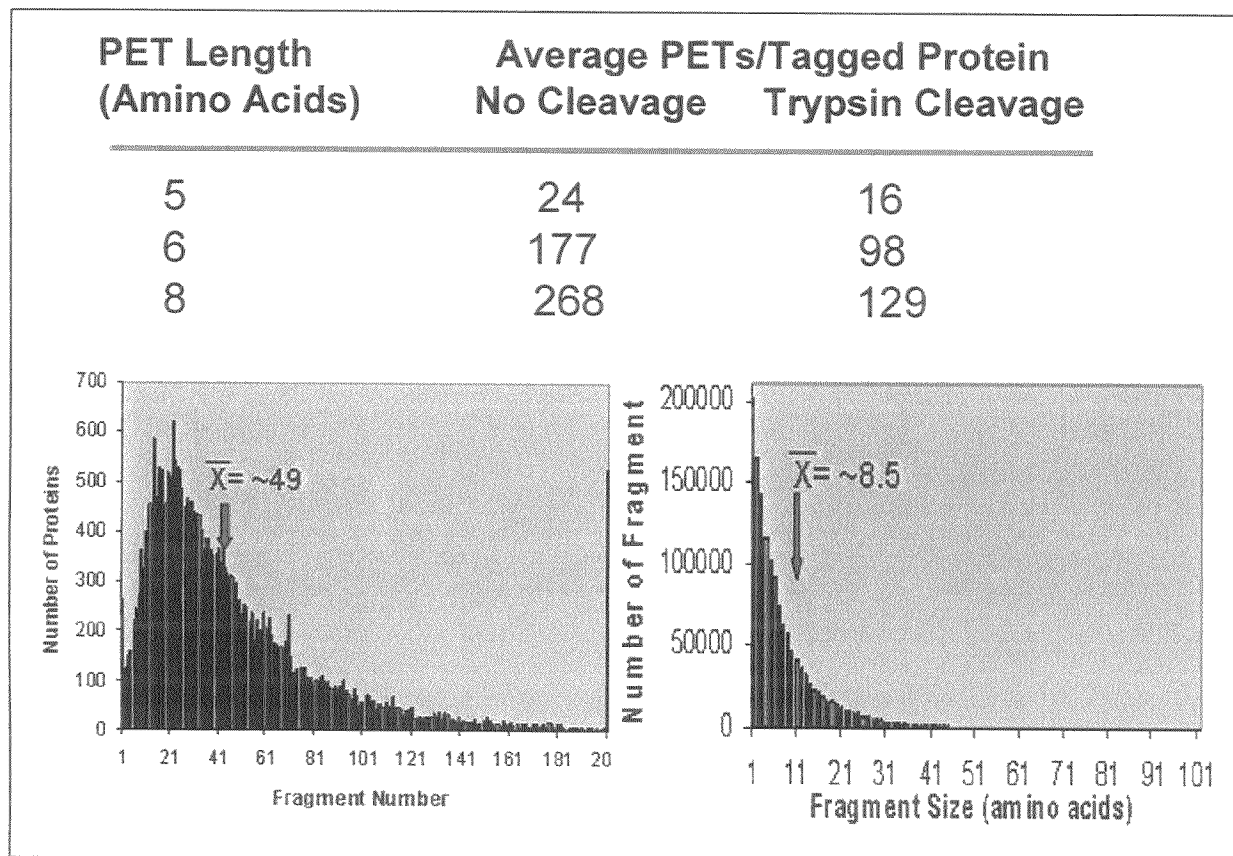


Figure 15

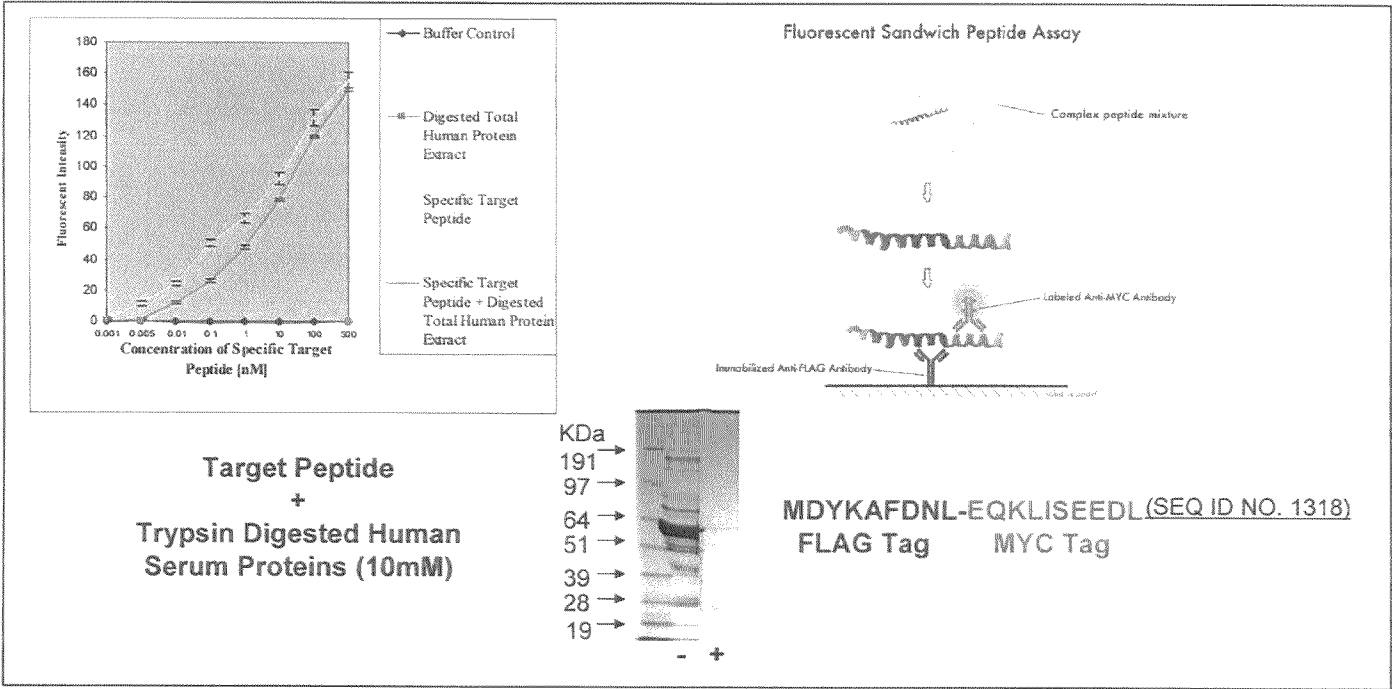


Figure 16

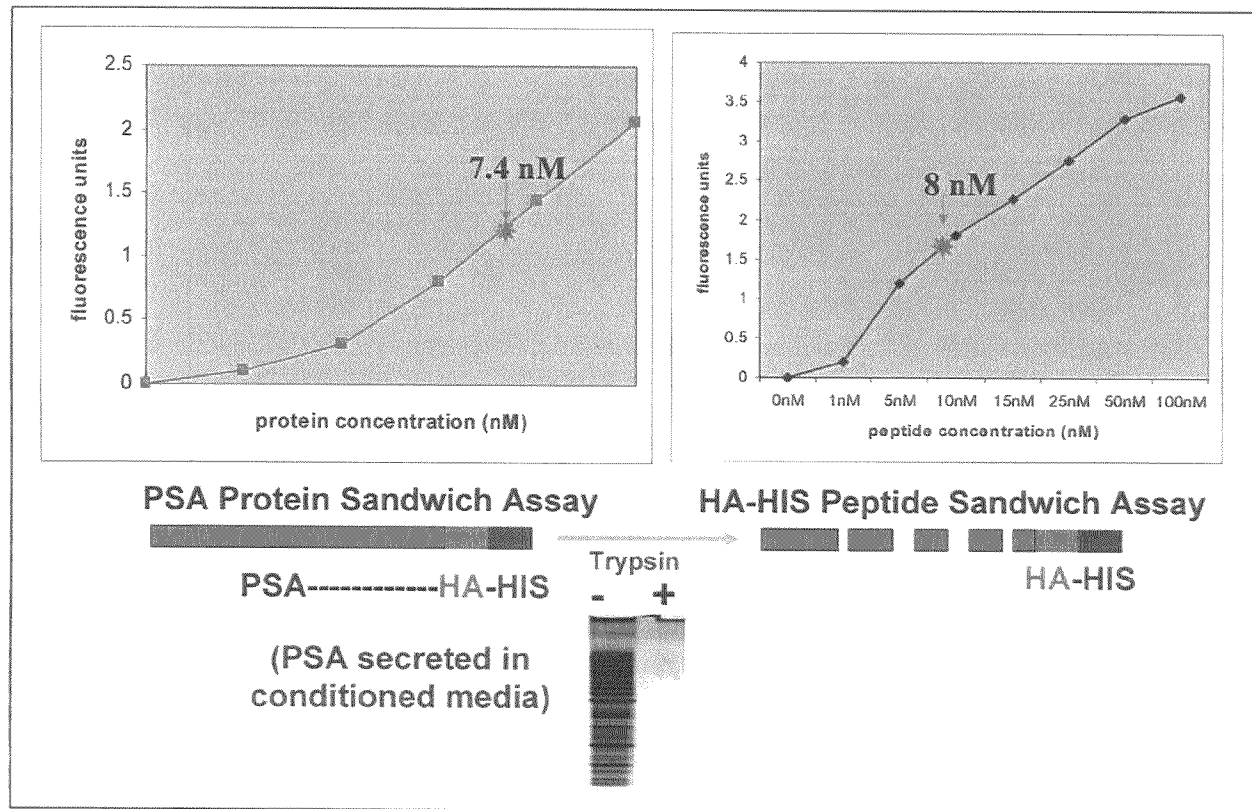


Figure 17

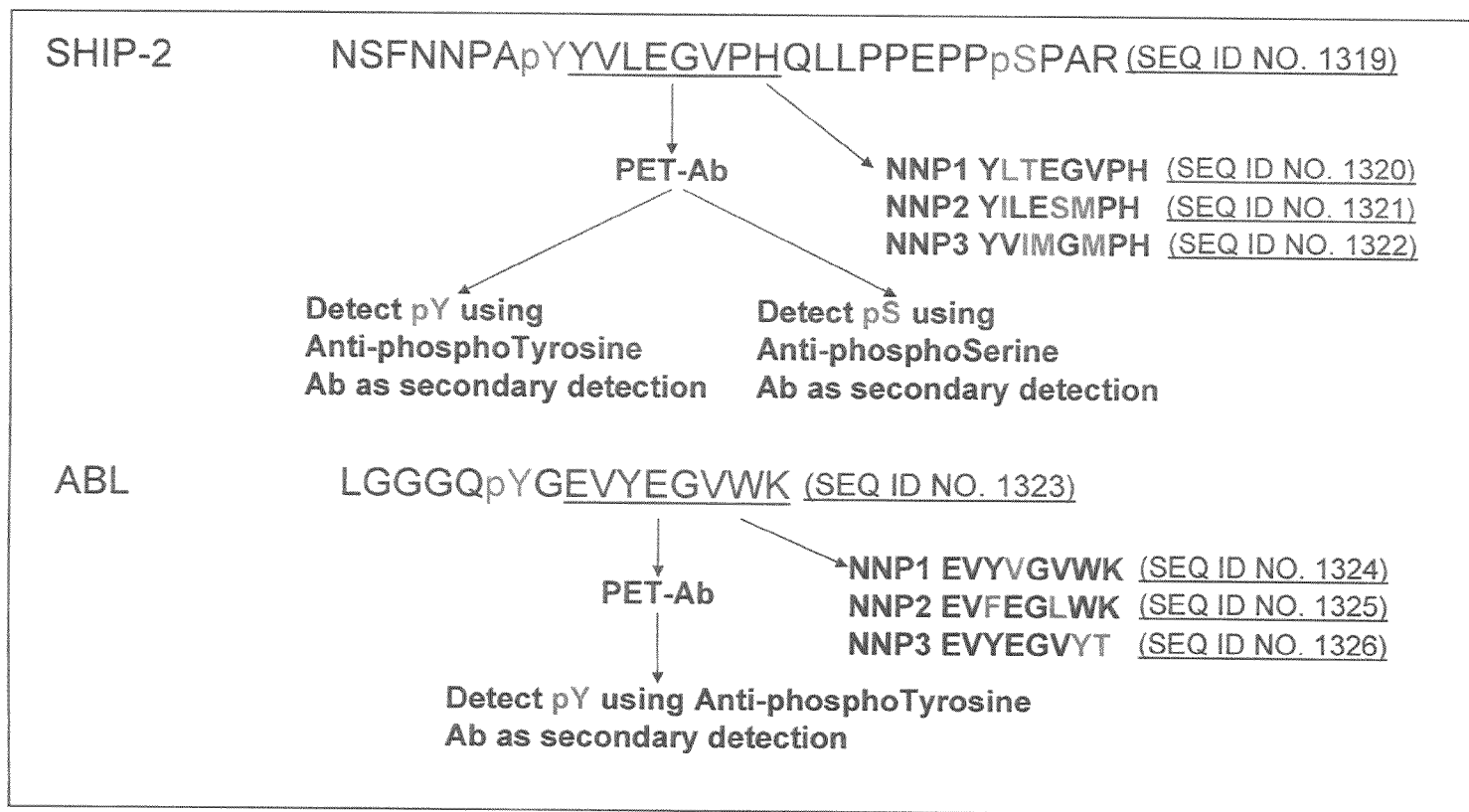


Figure 18

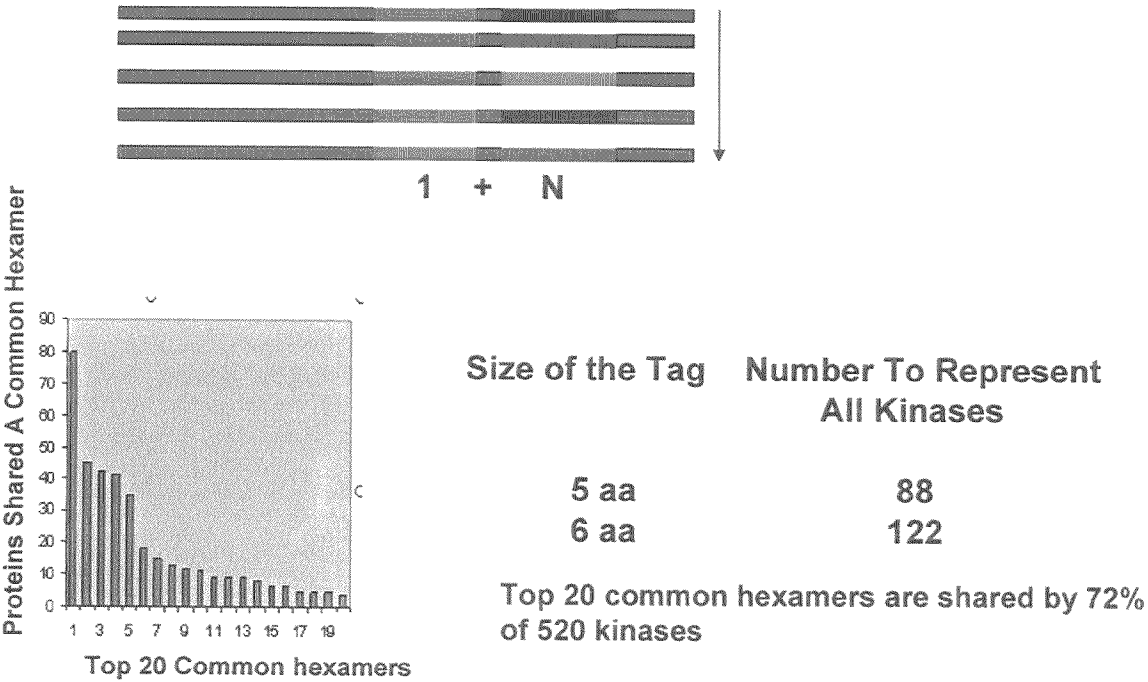


Figure 19

Protein	Parental Tryptic Peptide	Also Detect
BRAF	WSGSHQFEQLSGSILWMAPEVIR* (SEQ ID NO. 1327)	
DLK	MSFAGTVAWMAPEVIR (SEQ ID NO. 1328)	
GCK	SFIGTPYWMapeVAAVER (SEQ ID NO. 1329)	
HH498	WMAPEVFTQCTR (SEQ ID NO. 1330)	
HPK1	LSFIGTPYWMapeVAAVALK (SEQ ID NO. 1331)	
LOK	DSFIGTPYWMapeVVMCETMK (SEQ ID NO. 1332)	KSH1, 2, HPK1, SLK
LZK	MSFAGTVAWMAPEVIR (SEQ ID NO. 1333)	
MAP3K	SMHGTPYWMapeVINESGYGR (SEQ ID NO. 1334)	
MST1	NTVIGTPFWMAPEVIQEI GYN CVR (SEQ ID NO. 1335)	MST2
MST4	NTFVGTPFWMAPEVIQQSAYDSK (SEQ ID NO. 1336)	
MYO3A	NTSVGTPFWMAPEVIACEQQLDTTYDAR (SEQ ID NO. 1337)	MYO3B
MYO3B	NTSVGTPFWMAPEVIACEQQYDSSYDAR (SEQ ID NO. 1338)	MYO3A
ZC1/HGK	NTFIGTPYWMapeVIACDENPDATYDYR (SEQ ID NO. 1339)	ZC2, ZC3
OSR1	TFVGTPCWMAPEVMEQVR (SEQ ID NO. 1340)	
PAK1	STMVGTPYWMapeVVTR (SEQ ID NO. 1341)	PAK2, 3
PAK5	SLVGTPYWMapeVISR (SEQ ID NO. 1342)	PAK6
RAF1	WSGSQQVEQPTGSVLWMAPEVIR (SEQ ID NO. 1343)	
STLK3	TFVGTPCWMAPEVMEQVR (SEQ ID NO. 1344)	
TAO1	ASMAPANSFVGTPYWMapeVILAMDEGQYDGK (SEQ ID NO. 1345)	TAO3
TAO2	ASIMAPANSFVGTPYWMapeVILAMDEGQYDGK (SEQ ID NO. 1346)	
TESK1	EPLAVGSPYWMapeVLR (SEQ ID NO. 1347)	
ZAK	TTHMSLVGTFPWMAPEVIQSLR (SEQ ID NO. 1348)	
BLUE = PET		
RED = Commone Epitope		

Figure 20

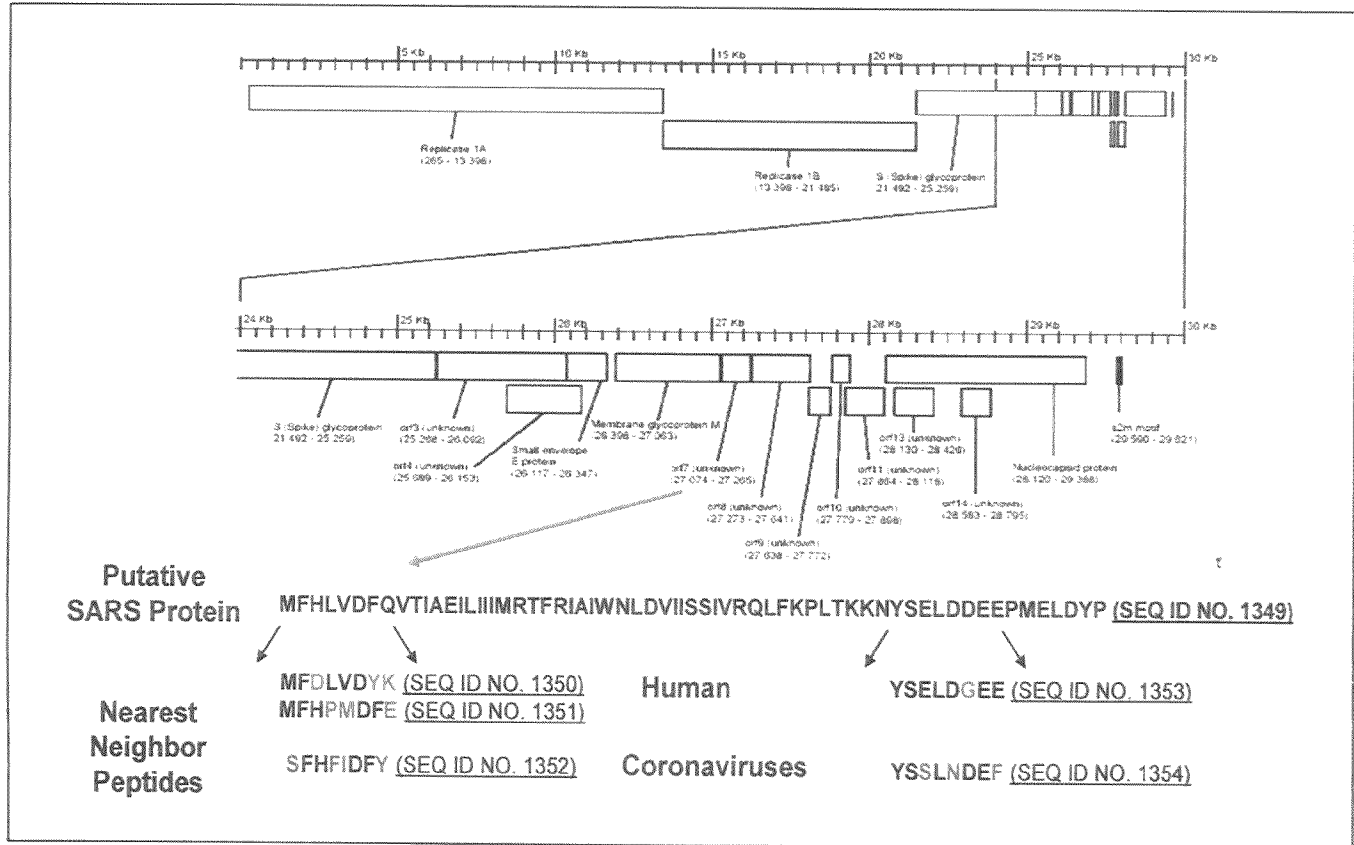
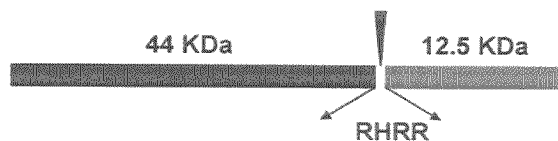


Figure 21



TGFB-1	RHRR*AL.. K*VLALYNQHNP <u>GASAAPCCVPQALEPLPIVYYVGR*K</u> (SEQ ID NO. 1355)
NNP1	HHSPGGS (SEQ ID NO. 1356) EPLTILYY (SEQ ID NO. 1359)
NNP2	QQHNPAAN (SEQ ID NO. 1357) DPLPVRYY (SEQ ID NO. 1360)
NNP3	NKHGPGVS (SEQ ID NO. 1358) EPLPSQYY (SEQ ID NO. 1361)
TGFB-2	RKKR*AL...R*VLSLYNTINPEASAS <u>PCCVSQDLEPLTILYYIGK*T</u> (SEQ ID NO. 1362)
NNP1	NTLNPEAS (SEQ ID NO. 1363) PQDLEPLT (SEQ ID NO. 1366)
NNP2	NKLDPEAS (SEQ ID NO. 1364) SEdlePLA (SEQ ID NO. 1367)
NNP3	NTANPERS (SEQ ID NO. 1365) SQDLDPMA (SEQ ID NO. 1368)
TGFB-3	RKKR*AL...R*SADTTTHSTVLGLYNTLNPEASAS <u>PCCVPQDLEPLTILYYVGR*T</u> (SEQ ID NO. 1369)
NNP1	SAHSTHST (SEQ ID NO. 1370) NTINPEAS (SEQ ID NO. 1373)
NNP2	SSDTTHAS (SEQ ID NO. 1371) NKLDPEAS (SEQ ID NO. 1374)
NNP3	AAEATHST (SEQ ID NO. 1372) NTANPERS (SEQ ID NO. 1375)
TGFB-4	MK*WAK*NWVLEPPGFLAYECVGT <u>CQQPPEALAFNWPFLGPR*Q</u> (SEQ ID NO. 1376)
NNP1	NWAVDPPG (SEQ ID NO. 1377) QPPEAFGF (SEQ ID NO. 1380)
NNP2	HWVVSPPG (SEQ ID NO. 1378) KPPEALAM (SEQ ID NO. 1381)
NNP3	NWVRLPPG (SEQ ID NO. 1379) QPPEAKKF (SEQ ID NO. 1382)

Figure 22

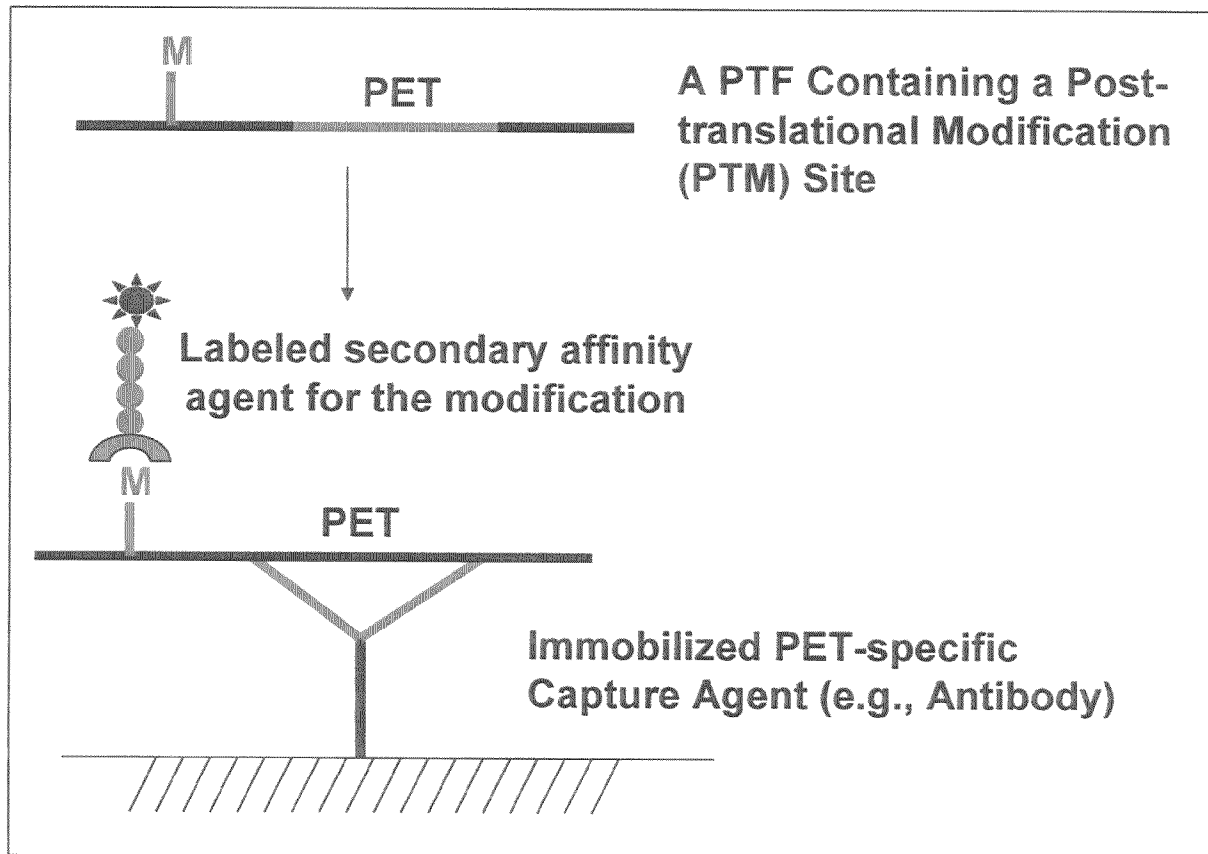


Figure 23

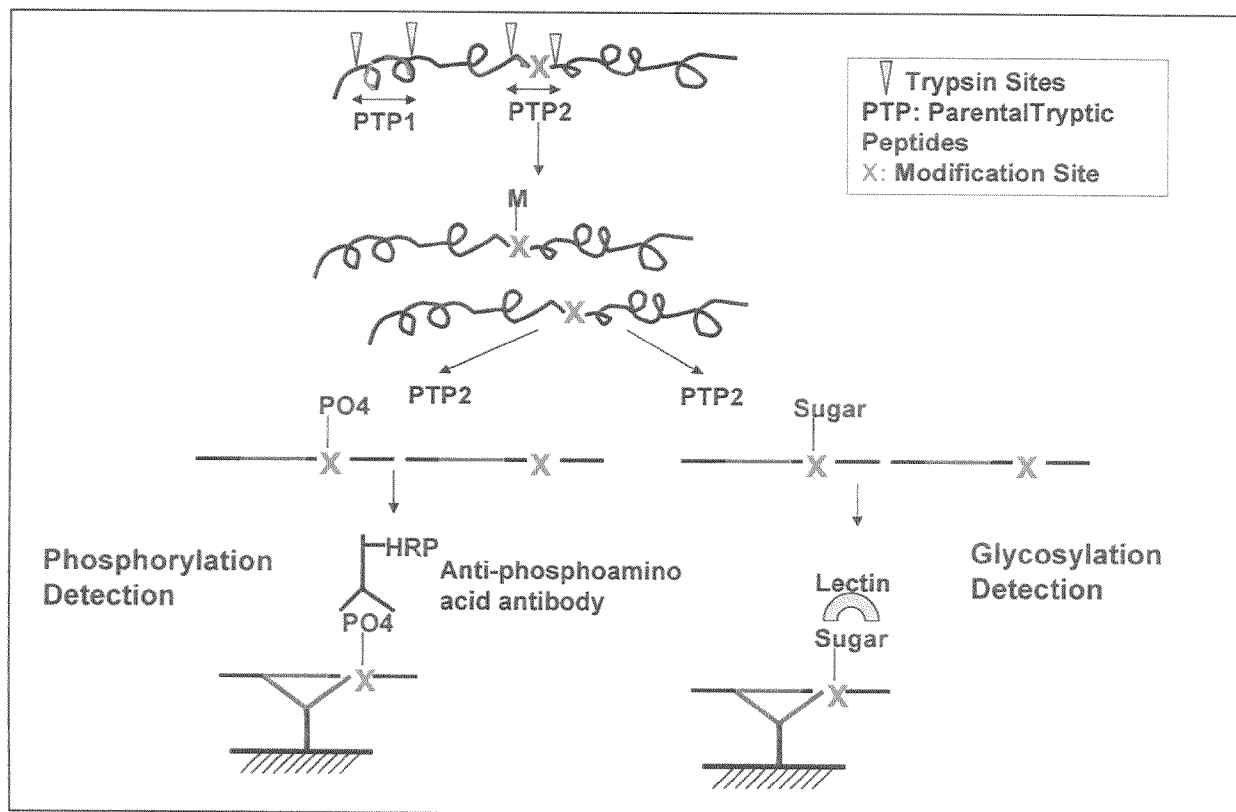


Figure 24

